

**From:** [Sent by NCBI](#)  
**To:** [Glinda Cooper/DC/USEPA/US@EPA](#)  
**Subject:** formaldehyde [MAJR] and (asthma or wheeze) and (hu - PubMed  
**Date:** 10/09/2012 12:15 PM

---

This message contains search results from the National Center for Biotechnology Information ([NCBI](#)) at the U.S. National Library of Medicine ([NLM](#)). Do not reply directly to this message

Sent on: Tue Oct 9 12:12:33 2012

Search: formaldehyde [MAJR] and (asthma or wheeze) and (human or case-control or cohort or epidemiology)

### PubMed Results

Items 1 - 85 of 85 ([Display the 85 citations in PubMed](#))

1. [Inflammatory response modulation of airway epithelial cells exposed to formaldehyde.](#)

Persoz C, Achard S, Momas I, Seta N.

Toxicol Lett. 2012 Jun 1;211(2):159-63. Epub 2012 Mar 31.

PMID: 22484645 [PubMed - indexed for MEDLINE]

[Related citations](#)

2. [Formaldehyde exposure and asthma in children: a systematic review.](#)

McGwin G Jr, Lienert J, Kennedy JI Jr.

Cien Saude Colet. 2011 Sep;16(9):3845-52. Review. Erratum in: Cien Saude Colet. 2012 Mar;17(3):809.

PMID: 21987327 [PubMed - indexed for MEDLINE] **Free Article**

[Related citations](#)

3. [Formaldehyde exposure and lower respiratory infections in infants: findings from the PARIS cohort study.](#)

Roda C, Kousignant I, Guihenneuc-Jouyaux C, Dassonville C, Nicolis I, Just J, Momas I.

Environ Health Perspect. 2011 Nov;119(11):1653-8. Epub 2011 Aug 2.

PMID: 21810553 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

4. [Nasal and ocular effects in foundry workers using the hot box method.](#)

Löfstedt H, Westberg H, Seldén AI, Rudblad S, Bryngelsson IL, Ngo Y, Svartengren M.

J Occup Environ Med. 2011 Jan;53(1):43-8.

PMID: 21187796 [PubMed - indexed for MEDLINE]

[Related citations](#)

5. [Formaldehyde interferes with airway epithelium integrity and functions in a dose-](#)

[and time-dependent manner.](#)

Kastner PE, Casset A, Pons F.

Toxicol Lett. 2011 Jan 15;200(1-2):109-16. Epub 2010 Nov 16.

PMID: 21087659 [PubMed - indexed for MEDLINE]

[Related citations](#)

6. [Non-cancer effects of formaldehyde and relevance for setting an indoor air guideline.](#)

Wolkoff P, Nielsen GD.

Environ Int. 2010 Oct;36(7):788-99. Epub 2010 Jun 16. Review.

PMID: 20557934 [PubMed - indexed for MEDLINE]

[Related citations](#)

7. [\[Health effects of formaldehyde, as an indoor air pollutant\].](#)

Sakamoto T, Miyake M.

Kaibogaku Zasshi. 2010 Mar;85(1):35-41. Japanese.

PMID: 20384189 [PubMed - indexed for MEDLINE]

[Related citations](#)

8. [Formaldehyde induces apoptosis through decreased Prx 2 via p38 MAPK in lung epithelial cells.](#)

Lim SK, Kim JC, Moon CJ, Kim GY, Han HJ, Park SH.

Toxicology. 2010 May 27;271(3):100-6. Epub 2010 Mar 25.

PMID: 20347000 [PubMed - indexed for MEDLINE]

[Related citations](#)

9. [An in vitro model to evaluate the inflammatory response after gaseous formaldehyde exposure of lung epithelial cells.](#)

Persoz C, Achard S, Leleu C, Momas I, Seta N.

Toxicol Lett. 2010 Jun 2;195(2-3):99-105. Epub 2010 Mar 10.

PMID: 20226236 [PubMed - indexed for MEDLINE]

[Related citations](#)

10. [Formaldehyde exposure among children: a potential building block of asthma.](#)

Tillett T.

Environ Health Perspect. 2010 Mar;118(3):A 131. No abstract available.

PMID: 20194058 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

11. [Formaldehyde exposure and asthma in children: a systematic review.](#)

McGwin G, Lienert J, Kennedy JI.

Environ Health Perspect. 2010 Mar;118(3):313-7. Epub 2009 Nov 6. Review.

PMID: 20064771 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

12. [The ontogeny, distribution, and regulation of alcohol dehydrogenase 3: implications for pulmonary physiology.](#)

Thompson CM, Sonawane B, Grafström RC.  
Drug Metab Dispos. 2009 Aug;37(8):1565-71. Epub 2009 May 21. Review.  
PMID: 19460944 [PubMed - indexed for MEDLINE] **Free Article**

[Related citations](#)

13. [Formaldehyde and volatile organic compounds in Hong Kong homes: concentrations and impact factors.](#)

Guo H, Kwok NH, Cheng HR, Lee SC, Hung WT, Li YS.  
Indoor Air. 2009 Jun;19(3):206-17. Epub 2009 Feb 7.  
PMID: 19220507 [PubMed - indexed for MEDLINE]

[Related citations](#)

14. [Mechanistic and dose considerations for supporting adverse pulmonary physiology in response to formaldehyde.](#)

Thompson CM, Subramaniam RP, Grafström RC.  
Toxicol Appl Pharmacol. 2008 Dec 15;233(3):355-9. Epub 2008 Sep 25.  
PMID: 18851987 [PubMed - indexed for MEDLINE]

[Related citations](#)

15. [Mechanistic considerations for formaldehyde-induced bronchoconstriction involving S-nitrosoglutathione reductase.](#)

Thompson CM, Grafström RC.  
J Toxicol Environ Health A. 2008;71(3):244-8. Review.  
PMID: 18097950 [PubMed - indexed for MEDLINE]

[Related citations](#)

16. [Ambient formaldehyde levels and allergic disorders among Japanese pregnant women: baseline data from the Osaka maternal and child health study.](#)

Matsunaga I, Miyake Y, Yoshida T, Miyamoto S, Ohya Y, Sasaki S, Tanaka K, Oda H, Ishiko O, Hirota Y; Osaka Maternal and Child Health Study Group.  
Ann Epidemiol. 2008 Jan;18(1):78-84.

PMID: 18063241 [PubMed - indexed for MEDLINE]

[Related citations](#)

17. [Associations of symptoms related to isocyanate, ureaformol, and formophenolic exposures with respiratory symptoms and lung function in coal miners.](#)

Bertrand JP, Simon V, Chau N.  
Int J Occup Environ Health. 2007 Apr-Jun;13(2):181-7.  
PMID: 17718175 [PubMed - indexed for MEDLINE]

[Related citations](#)

18. [An unusual form of formaldehyde-induced lung disease.](#)

Baccioglu A, Kalpaklioglu AF.  
Allergol Immunopathol (Madr). 2007 May-Jun;35(3):110-2.  
PMID: 17594875 [PubMed - indexed for MEDLINE]

[Related citations](#)

19. [Effect of formaldehyde on asthmatic response to inhaled allergen challenge.](#)

Ezratty V, Bonay M, Neukirch C, Orset-Guillossou G, Dehoux M, Koscielny S, Cabanes PA, Lambrozo J, Aubier M.

Environ Health Perspect. 2007 Feb;115(2):210-4. Epub 2006 Nov 7.

PMID: 17384766 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

20. [Inhaled formaldehyde exposure: effect on bronchial response to mite allergen in sensitized asthma patients.](#)

Casset A, Marchand C, Purohit A, le Calvé S, Uring-Lambert B, Donnay C, Meyer P, de Blay F.

Allergy. 2006 Nov;61(11):1344-50.

PMID: 17002712 [PubMed - indexed for MEDLINE]

[Related citations](#)

21. [\[The bronchial response to inhaled formaldehyde\].](#)

Casset A, Purohit A, Marchand C, Le Calvé S, Donnay C, Uring-Lambert B, Bahram S, Pauli G, de Blay F.

Rev Mal Respir. 2006 Feb;23(1 Suppl):3S25-34. Review. French.

PMID: 16604011 [PubMed - indexed for MEDLINE]

[Related citations](#)

22. [Persistent asthma following accidental exposure to formaldehyde.](#)

Vandenplas O, Fievez P, Delwiche JP, Boulanger J, Thimpont J.

Allergy. 2004 Jan;59(1):115-6. No abstract available.

PMID: 14674947 [PubMed - indexed for MEDLINE]

[Related citations](#)

23. [The prevalence of IgE sensitization to formaldehyde in asthmatic children.](#)

Doi S, Suzuki S, Morishita M, Yamada M, Kanda Y, Torii S, Sakamoto T.

Allergy. 2003 Jul;58(7):668-71.

PMID: 12823129 [PubMed - indexed for MEDLINE]

[Related citations](#)

24. [Immunization of macaques with formalin-inactivated respiratory syncytial virus \(RSV\) induces interleukin-13-associated hypersensitivity to subsequent RSV infection.](#)

De Swart RL, Kuiken T, Timmerman HH, van Amerongen G, Van Den Hoogen BG, Vos HW, Neijens HJ, Andeweg AC, Osterhaus AD.

J Virol. 2002 Nov;76(22):11561-9.

PMID: 12388717 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

25. [Domestic exposure to formaldehyde significantly increases the risk of asthma in young children.](#)

Rumchev KB, Spickett JT, Bulsara MK, Phillips MR, Stick SM.

Eur Respir J. 2002 Aug;20(2):403-8.

PMID: 12212974 [PubMed - indexed for MEDLINE] **Free Article**

[Related citations](#)

26. [The use of noncancer endpoints as a basis for establishing a reference concentration for formaldehyde.](#)

Bender J.

Regul Toxicol Pharmacol. 2002 Feb;35(1):23-31. Review.

PMID: 11846633 [PubMed - indexed for MEDLINE]

[Related citations](#)

27. [Occupational asthma due to formaldehyde.](#)

Kim CW, Song JS, Ahn YS, Park SH, Park JW, Noh JH, Hong CS.

Yonsei Med J. 2001 Aug;42(4):440-5.

PMID: 11519088 [PubMed - indexed for MEDLINE] **Free Article**

[Related citations](#)

28. [\[Measurement of formaldehyde-specific IgE antibodies in adult asthmatics\].](#)

Baba K, Yagi T, Niwa S, Sakakibara A, Hattori T, Koishikawa I, Yoshida K, Kobayashi T.

Arerugi. 2000 May;49(5):404-11. Japanese.

PMID: 10853298 [PubMed - indexed for MEDLINE]

[Related citations](#)

29. [Increased risk of allergy in children due to formaldehyde exposure in homes.](#)

Garrett MH, Hooper MA, Hooper BM, Rayment PR, Abramson MJ.

Allergy. 1999 Apr;54(4):330-7. Erratum in: Allergy 1999 Dec;54(12):1327.

PMID: 10371091 [PubMed - indexed for MEDLINE]

[Related citations](#)

30. [Airway response to formaldehyde inhalation in asthmatic subjects with suspected respiratory formaldehyde sensitization.](#)

Krakowiak A, Górska P, Pazdrak K, Ruta U.

Am J Ind Med. 1998 Mar;33(3):274-81.

PMID: 9481426 [PubMed - indexed for MEDLINE]

[Related citations](#)

31. [Changes in respiratory function after one and three hours of exposure to formaldehyde in non-smoking subjects.](#)

Akbar-Khanzadeh F, Mlynek JS.

Occup Environ Med. 1997 May;54(5):296-300.

PMID: 9196449 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

32. [A recommended occupational exposure limit for formaldehyde based on irritation.](#)

Paustenbach D, Alarie Y, Kulle T, Schachter N, Smith R, Swenberg J, Witschi H, Horowitz SB.

J Toxicol Environ Health. 1997 Feb 21;50(3):217-63. Review.

PMID: 9055874 [PubMed - indexed for MEDLINE]

[Related citations](#)

33. [Closed-circuit apparatus for specific inhalation challenges with an occupational agent, formaldehyde, in vapor form.](#)  
Lemière C, Cloutier Y, Perrault G, Drolet D, Cartier A, Malo JL.  
Chest. 1996 Jun;109(6):1631-5.  
PMID: 8769522 [PubMed - indexed for MEDLINE]  
[Related citations](#)
34. [Is formaldehyde an important cause of allergic respiratory disease?](#)  
Smedley J.  
Clin Exp Allergy. 1996 Mar;26(3):247-9. No abstract available.  
PMID: 8729659 [PubMed - indexed for MEDLINE]  
[Related citations](#)
35. [\[Nasal patency patterns observed during working hours in a group of technicians habitually exposed to formaldehyde\].](#)  
Giordano C, Siccardi E, Fedrighini B, Romano C, Sulotto F, Coscia GC, Vergnano P.  
Acta Otorhinolaryngol Ital. 1995 Oct;15(5):335-44. Italian.  
PMID: 8721723 [PubMed - indexed for MEDLINE]  
[Related citations](#)
36. [Asthmatic symptoms and volatile organic compounds, formaldehyde, and carbon dioxide in dwellings.](#)  
Norbäck D, Björnsson E, Janson C, Widström J, Boman G.  
Occup Environ Med. 1995 Jun;52(6):388-95.  
PMID: 7627316 [PubMed - indexed for MEDLINE] **Free PMC Article**  
[Related citations](#)
37. [Occupational asthma due to formaldehyde resin dust with and without reaction to formaldehyde gas.](#)  
Lemière C, Desjardins A, Cloutier Y, Drolet D, Perrault G, Cartier A, Malo JL.  
Eur Respir J. 1995 May;8(5):861-5.  
PMID: 7656963 [PubMed - indexed for MEDLINE] **Free Article**  
[Related citations](#)
38. [Occupational asthma due to glutaraldehyde and formaldehyde in endoscopy and x ray departments.](#)  
Gannon PF, Bright P, Campbell M, O'Hickey SP, Burge PS.  
Thorax. 1995 Feb;50(2):156-9.  
PMID: 7701454 [PubMed - indexed for MEDLINE] **Free PMC Article**  
[Related citations](#)
39. [Respiratory consequences of exposure to wood dust and formaldehyde of workers manufacturing oriented strand board.](#)  
Herbert FA, Hessel PA, Melenka LS, Yoshida K, Nakaza M.  
Arch Environ Health. 1994 Nov-Dec;49(6):465-70.  
PMID: 7818289 [PubMed - indexed for MEDLINE]

[Related citations](#)

40. [Reversible pulmonary responses to formaldehyde. A study of clinical anatomy students.](#)

Kriebel D, Sama SR, Cocanour B.

Am Rev Respir Dis. 1993 Dec;148(6 Pt 1):1509-15.

PMID: 8256892 [PubMed - indexed for MEDLINE]

[Related citations](#)

41. [Evaluation of a worker with possible formaldehyde-induced asthma.](#)

Grammer LC, Harris KE, Cugell DW, Patterson R.

J Allergy Clin Immunol. 1993 Jul;92(1 Pt 1):29-33.

PMID: 8335851 [PubMed - indexed for MEDLINE]

[Related citations](#)

42. [\[Objective evaluation of respiratory ventilation at work by measuring peak expiratory flow rate \(PEFR\)\].](#)

Górski P, Bilewicz P, Krakowiak A.

Med Pr. 1992;43(1):1-5. Polish.

PMID: 1635441 [PubMed - indexed for MEDLINE]

[Related citations](#)

43. [\[Does formaldehyde-induced asthma exist?\].](#)

Górski P, Krakowiak A.

Med Pr. 1992;43(3):187-90. Polish.

PMID: 1406239 [PubMed - indexed for MEDLINE]

[Related citations](#)

44. [Formaldehyde: an analysis of its respiratory, cutaneous, and immunologic effects.](#)

Bardana EJ Jr, Montanaro A.

Ann Allergy. 1991 Jun;66(6):441-52. Review.

PMID: 2048760 [PubMed - indexed for MEDLINE]

[Related citations](#)

45. [Formaldehyde--induced bronchial asthma--does it really exist?](#)

Górski P, Krakowiak A.

Pol J Occup Med Environ Health. 1991;4(4):317-20.

PMID: 1817680 [PubMed - indexed for MEDLINE]

[Related citations](#)

46. [Respiratory health of plywood workers occupationally exposed to formaldehyde.](#)

Malaka T, Kodama AM.

Arch Environ Health. 1990 Sep-Oct;45(5):288-94.

PMID: 2256713 [PubMed - indexed for MEDLINE]

[Related citations](#)

47. [Chronic respiratory effects of indoor formaldehyde exposure.](#)

Krzyzanowski M, Quackenboss JJ, Lebowitz MD.  
Environ Res. 1990 Aug;52(2):117-25.  
PMID: 2394203 [PubMed - indexed for MEDLINE]  
[Related citations](#)

48. [Pulmonary function and bronchial reactivity in asthmatics during low-level formaldehyde exposure.](#)  
Harving H, Korsgaard J, Pedersen OF, Mølhave L, Dahl R.  
Lung. 1990;168(1):15-21.  
PMID: 2105409 [PubMed - indexed for MEDLINE]  
[Related citations](#)
49. [Prospective study of respiratory effects of formaldehyde among healthy and asthmatic medical students.](#)  
Uba G, Pachorek D, Bernstein J, Garabrant DH, Balmes JR, Wright WE, Amar RB.  
Am J Ind Med. 1989;15(1):91-101.  
PMID: 2929612 [PubMed - indexed for MEDLINE]  
[Related citations](#)
50. [Anaphylactoid reaction induced by patch testing with formaldehyde in an asthmatic.](#)  
Orlandini A, Viotti G, Magno L.  
Contact Dermatitis. 1988 Nov;19(5):383-4. No abstract available.  
PMID: 3233960 [PubMed - indexed for MEDLINE]  
[Related citations](#)
51. [\[Formaldehyde and phthalic anhydride asthma. Demonstration of specific IgE antibodies with RAST\].](#)  
Imhof E, Wüthrich B.  
Schweiz Med Wochenschr. 1988 Oct 29;118(43):1568-72. German.  
PMID: 3238392 [PubMed - indexed for MEDLINE]  
[Related citations](#)
52. [\[Occupationally-induced formaldehyde allergy of the immediate type\].](#)  
Gehse M, Gehring W, Gloor M.  
Derm Beruf Umwelt. 1988 May-Jun;36(3):101-2. German.  
PMID: 3409809 [PubMed - indexed for MEDLINE]  
[Related citations](#)
53. [A study of respiratory effects from exposure to 2.0 ppm formaldehyde in occupationally exposed workers.](#)  
Schachter EN, Witek TJ Jr, Brody DJ, Tosun T, Beck GJ, Leaderer BP.  
Environ Res. 1987 Dec;44(2):188-205.  
PMID: 3691441 [PubMed - indexed for MEDLINE]  
[Related citations](#)
54. [Acute pulmonary response of asthmatics to 3.0 ppm formaldehyde.](#)

Sauder LR, Green DJ, Chatham MD, Kulle TJ.  
Toxicol Ind Health. 1987 Dec;3(4):569-78.  
PMID: 3433289 [PubMed - indexed for MEDLINE]  
[Related citations](#)

55. [Exposure to formaldehyde in anatomy: an occupational health hazard?](#)  
Pabst R.  
Anat Rec. 1987 Oct;219(2):109-12.  
PMID: 3688466 [PubMed - indexed for MEDLINE]  
[Related citations](#)
56. [\[Formaldehyde-induced occupational asthma\].](#)  
Orosz M, Nagy L, Galambos E.  
Orv Hetil. 1987 Jul 19;128(29):1523-5. Hungarian. No abstract available.  
PMID: 3614914 [PubMed - indexed for MEDLINE]  
[Related citations](#)
57. [An evaluation of respiratory effects following exposure to 2.0 ppm formaldehyde in asthmatics: lung function, symptoms, and airway reactivity.](#)  
Witek TJ Jr, Schachter EN, Tosun T, Beck GJ, Leaderer BP.  
Arch Environ Health. 1987 Jul-Aug;42(4):230-7.  
PMID: 3310924 [PubMed - indexed for MEDLINE]  
[Related citations](#)
58. [Acute response to 3.0 ppm formaldehyde in exercising healthy nonsmokers and asthmatics.](#)  
Green DJ, Sauder LR, Kulle TJ, Bascom R.  
Am Rev Respir Dis. 1987 Jun;135(6):1261-6.  
PMID: 3592401 [PubMed - indexed for MEDLINE]  
[Related citations](#)
59. [Immunologic studies of subjects with asthma exposed to formaldehyde and urea-formaldehyde foam insulation \(UFFI\) off products.](#)  
Pross HF, Day JH, Clark RH, Lees RE.  
J Allergy Clin Immunol. 1987 May;79(5):797-810.  
PMID: 2437172 [PubMed - indexed for MEDLINE]  
[Related citations](#)
60. [\[Occupational asthma caused by formalin in a hospital milieu. A propos of 3 cases\].](#)  
Degorce-Hecquet I, Gacouin JC, Sauvaget J.  
Rev Pneumol Clin. 1987;43(2):91-4. French.  
PMID: 3616377 [PubMed - indexed for MEDLINE]  
[Related citations](#)
61. [Low concentrations of formaldehyde in bronchial asthma.](#)  
Heard BE.

Br Med J (Clin Res Ed). 1986 Sep 27;293(6550):821. No abstract available.

PMID: 3094675 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

62. [Low concentrations of formaldehyde in bronchial asthma: a study of exposure under controlled conditions.](#)

Harving H, Korsgaard J, Dahl R, Pedersen OF, Mølhav L.

Br Med J (Clin Res Ed). 1986 Aug 2;293(6542):310. No abstract available.

PMID: 3089500 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

63. [Anaphylactic shock caused by formaldehyde in a patient undergoing long-term hemodialysis.](#)

Maurice F, Rivory JP, Larsson PH, Johansson SG, Bousquet J.

J Allergy Clin Immunol. 1986 Apr;77(4):594-7.

PMID: 3958388 [PubMed - indexed for MEDLINE]

[Related citations](#)

64. [Formaldehyde asthma.](#)

Bardana EJ Jr, Montanaro A.

J Allergy Clin Immunol. 1986 Feb;77(2):384-5. No abstract available.

PMID: 3944387 [PubMed - indexed for MEDLINE]

[Related citations](#)

65. [Human antibodies against formaldehyde-human serum albumin conjugates or human serum albumin in individuals exposed to formaldehyde.](#)

Patterson R, Pateras V, Grammer LC, Harris KE.

Int Arch Allergy Appl Immunol. 1986;79(1):53-9.

PMID: 3941010 [PubMed - indexed for MEDLINE]

[Related citations](#)

66. [Clinical evaluation of patients with complaints related to formaldehyde exposure.](#)

Imbus HR.

J Allergy Clin Immunol. 1985 Dec;76(6):831-40. Review.

PMID: 3905920 [PubMed - indexed for MEDLINE]

[Related citations](#)

67. [Occupational asthma due to formaldehyde.](#)

Burge PS, Harries MG, Lam WK, O'Brien IM, Patchett PA.

Thorax. 1985 Apr;40(4):255-60.

PMID: 4023975 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Related citations](#)

68. [Formaldehyde asthma--rare or overlooked?](#)

Nordman H, Keskinen H, Tuppurainen M.

J Allergy Clin Immunol. 1985 Jan;75(1 Pt 1):91-9.

PMID: 3968333 [PubMed - indexed for MEDLINE]

[Related citations](#)

69. [Lack of bronchomotor response to up to 3 ppm formaldehyde in subjects with asthma.](#)

Sheppard D, Eschenbacher WL, Epstein J.  
Environ Res. 1984 Oct;35(1):133-9.  
PMID: 6489284 [PubMed - indexed for MEDLINE]

[Related citations](#)

70. [Bronchial challenge with formaldehyde gas: lack of bronchoconstriction in 13 patients suspected of having formaldehyde-induced asthma.](#)

Frigas E, Filley WV, Reed CE.  
Mayo Clin Proc. 1984 May;59(5):295-9.  
PMID: 6374306 [PubMed - indexed for MEDLINE]

[Related citations](#)

71. [Occupational asthma and rhinitis caused by urea formaldehyde?](#)

Boggs PB.  
Chest. 1983 Mar;83(3):584. No abstract available.  
PMID: 6825499 [PubMed - indexed for MEDLINE]

[Related citations](#)

72. [\[Formaldehyde gas from laminated wood boards in the air of dwellings. Effect of the gas on children with bronchial asthma\].](#)

Scheel E.  
Tidsskr Nor Laegeforen. 1983 Feb 10;103(4):283-6. Norwegian. No abstract available.  
PMID: 6857609 [PubMed - indexed for MEDLINE]

[Related citations](#)

73. [Formaldehyde asthma: challenge exposure levels and fate after five years.](#)

Hendrick DJ, Rando RJ, Lane DJ, Morris MJ.  
J Occup Med. 1982 Nov;24(11):893-7.  
PMID: 7175584 [PubMed - indexed for MEDLINE]

[Related citations](#)

74. [UFFI dust: nonspecific irritant only?](#)

Newhouse MT.  
Chest. 1982 Oct;82(4):511-2. No abstract available.  
PMID: 7116972 [PubMed - indexed for MEDLINE]

[Related citations](#)

75. [Occupational asthma caused by cedar urea formaldehyde particle board.](#)

Cockcroft DW, Hoeppner VH, Dolovich J.  
Chest. 1982 Jul;82(1):49-53.  
PMID: 7083936 [PubMed - indexed for MEDLINE]

[Related citations](#)

76. [Asthma induced by dust from urea-formaldehyde foam insulating material.](#)  
Frigas E, Filley WV, Reed CE.  
Chest. 1981 Jun;79(6):706-7.  
PMID: 7226963 [PubMed - indexed for MEDLINE]  
[Related citations](#)
77. [Formaldehyde toxicity.](#)  
[No authors listed]  
Lancet. 1979 Sep 22;2(8143):620-1. No abstract available.  
PMID: 90277 [PubMed - indexed for MEDLINE]  
[Related citations](#)
78. [Formalin asthma.](#)  
[No authors listed]  
Lancet. 1977 Apr 9;1(8015):790. No abstract available.  
PMID: 66582 [PubMed - indexed for MEDLINE]  
[Related citations](#)
79. [Occupational formalin asthma.](#)  
Hendrick DJ, Lane DJ.  
Br J Ind Med. 1977 Feb;34(1):11-8.  
PMID: 557329 [PubMed - indexed for MEDLINE] **Free PMC Article**  
[Related citations](#)
80. [Are embalmer's at risk?](#)  
Plunkett ER, Barbela T.  
Am Ind Hyg Assoc J. 1977 Jan;38(1):61-2. No abstract available.  
PMID: 557288 [PubMed - indexed for MEDLINE]  
[Related citations](#)
81. [\[Clinical picture and diagnosis of occupational bronchial asthma from exposure to formaldehyde containing polymers\].](#)  
Ozhiganova VN, Dueva LA, Popova NG.  
Gig Tr Prof Zabol. 1976 Nov;(11):17-20. Russian. No abstract available.  
PMID: 1017669 [PubMed - indexed for MEDLINE]  
[Related citations](#)
82. [\[Formaldehyde sensitization in occupational respiratory exposure\].](#)  
Wallenstein VG, Rebohle E.  
Allerg Immunol (Leipz). 1976;22(3):287-90. German.  
PMID: 139093 [PubMed - indexed for MEDLINE]  
[Related citations](#)
83. [Formalin asthma in hospital laboratory staff.](#)  
Sakula A.  
Lancet. 1975 Oct 25;2(7939):816. No abstract available.  
PMID: 78180 [PubMed - indexed for MEDLINE]

[Related citations](#)

84. [Formalin asthma in hospital staff.](#)

Hendrick DJ, Lane DJ.

Br Med J. 1975 Mar 15;1(5958):607-8. No abstract available.

PMID: 1125625 [PubMed - indexed for MEDLINE] [\*\*Free PMC Article\*\*](#)

[Related citations](#)

85. [Studies on "allergoids" prepared from naturally occurring allergens. II.](#)

[Evaluation of allergenicity and assay of antigenicity of formalinized mixed grass pollen extracts.](#)

Haddad ZH, Marsh DG, Campbell DH.

J Allergy Clin Immunol. 1972 Apr;49(4):197-209. No abstract available.

PMID: 4622163 [PubMed - indexed for MEDLINE]

[Related citations](#)